

WHAT IS CLAIMED IS:

1. A roll for a printing press, the roll comprising;
at least two partial areas running around the central axis of the roll, said partial areas being made of an ink-friendly material; and

at least one circular partial area made of an ink-repellent material, said circular partial area made of an ink-repellent material being arranged between said at least two circular partial areas made of ink-friendly material.

2. A roll in accordance with claim 1, wherein said at least two ink-friendly partial areas are made of one of ceramic, copper, polyamide or Rilsan.

3. A roll in accordance with claim 1, wherein the, at least one circular ink-repellent partial area (23, 34) is made of chromium.

4. A roll in accordance with claim 1, wherein a plurality of circular partial areas made of an ink-friendly material and a plurality of circular partial areas made of ink-repellent material are provided which are located between the partial areas made of ink-friendly material.

5. A roll in accordance with claim 1, wherein a circular partial area made of ink-friendly material has a thickness of 0.1 mm to 0.5 mm and/or a width of 25 cm to 35 cm.

6. A roll in accordance with claim 1, wherein a circular partial area made of ink-friendly material has a thickness of 0.01 mm to 0.10 mm and a width of 18 mm to 26 mm.

7. A damping system comprising:

a roll with at least two partial areas running around the central axis of the roll, said partial areas being made of an ink-friendly material and at least one circular partial area made of an ink-repellent material, said circular partial area made of an ink-repellent material being arranged
5 between said at least two circular partial areas made of ink-friendly material.

8. A process for manufacturing a roll with at least two partial areas running around the central axis of the roll, said partial areas being made of an ink-friendly material and at least one circular partial area made of an ink-repellent material, said circular partial area made of an ink-repellent material being arranged between said at least two circular partial areas made of ink-
5 friendly material, the process comprising:

forming the at least one said annular structure made of an ink-repellent material on a blank roll body.

9. A process in accordance with claim 8, wherein said blank roll body is turned to prepare an approximately planar surface.

10. A process in accordance with claim 8, wherein the annular structures are applied by facing, chrome-plating or plasma coating.

11. A process in accordance with claim 8, wherein at least one edge area of said annular structure is welded for sealing.